INDEX TO VOLUME 23

An * denotes the abstract of a paper before the Academy or an affiliated society.

PROCEEDINGS OF THE ACADEMY AND AFFILIATED SOCIETIES

Anthropological Society of Washington. Proceedings: 319.
Botanical Society of Washington. Proceedings: 163, 217.
Geological Society of Washington. Proceedings: 109, 397, 484, 567.
Philosophical Society of Washington. Proceedings: 154, 526.
Washington Academy of Sciences. Proceedings: 154, 317, 566.

AUTHOR INDEX

ADAMS, L. H. *The precise measurement of birefringence especially in strained glass. 534.

ALBIN, FLORENCE M. On the morphology of *Deontostoma californicum* n. sp. 25.

ALICATA, JOSEPH E. A new genus for the nematode *Filaria cistudinis* Leidy, 1856, of the family Filariidae. 95.

ALLEN, HEMAN H. Some improvements in psychrometry. 121.

ANDERSEN, OLAF. Properties of tricalcium silicate from basic open hearth steel slags. 338.

ANDREWS, D. H. *Models of vibrating molecules. 161.

ANDRUS, C. F. Sex and accessory cell fusions in the Uredineae. 544.

BAKER, FRANK COLLINS. New species of Lymnaeidae from British America. 520.

BALL, E. D. The genus *Myndus* Stal. in North America (Homoptera Fulgoridae). 478.

BARBEAU, MARIUS. French survival in Canada. 365.

BERRY, EDWARD W. A *Knowltonella* from the Black Hills Cretaceous. 503.

—— A new *Lygodium* from the late Tertiary of Ecuador. 208.

—— Fossil plants from Morrison, Colorado. 308.

—— New occurrences of Pleistocene plants in the District of Columbia. 1.

—— The cuticle of an Eocene *Combretum*. 505.

BOECKNER, C. *Studies of the electrical discharge in cesium vapor. 533.

BOWEN, N. L. Crystals of iron-rich pyroxene from a slag. 83.

—— Vogtite, isomorphous with wollastonite. 87.

BOWMAN, PAUL W. *Pollen analysis of a Kodiak bog. 218.

BRAMLETTE, M. N. *Rhythmic bedding in the Monterey rocks of California. 575.

BRADLEY, W. H. *Factors that determine the curvature of mud-cracked layers. 114.

BROOKS, DONALD B. Some improvements in psychometry. 121.

CALLAGHAN, EUGENE. *The Cedar Mountain, Nevada, earthquake of December 20, 1932. 573.

CAPPS, S. R. *An air reconnaissance of Middleton Island, Alaska. 402.

CASE, E. C. *Colognathus* proposed for *Xenognathus*, preoccupied. 65.

CASSIDY, GERTRUDE H. A bivulvar specimen of the nematode *Mononchus muscorum* (Dujardin) Bastian. 141.

CHASE, AGNES. A new grass from Texas. 137.

CHITWOOD, B. G. On some nematodes of the superfamily Rhabditoidea and their status as parasites of reptiles and amphibians. 508.

CHRISTIE, JESSE R. The generic names *Cephalobellus* Cobb, 1920, and *Scarabanema* Christie, 1931. 358.

COLLINS, R. LEE. Mylodont (Ground Sloth) dermal ossicles from Colombia, South America. 426.

COMPTON, KARL T. High voltage. 277.

COOPER, G. ARTHUR. *Salonia*, a new Ordovician brachiopod genus. 496.
—— *Stratigraphy of the Hamilton group of New York. 402.
COOK, HAROLD J. A new mollusk from the Chadron formation of Nebraska (Occurrence). 263.
COOKE, C. WYTHE. *Origin of the so-called meteorite scars of South Carolina. 569.
—— *Pleistocene changes of sea level. 109.
CURTIS, H. L. *The attitude of European laboratories towards absolute electrical units. 156.
CURTIS, R. W. *A redetermination of the international ampere in absolute measure. 157.
DARTON, N. H. *Zuni Salt Lake. 485.
DEMING, W. E. *Thermodynamic properties of real gases from compressibility data. 532.
DIEHL, WILLIAM W. *Thelebolus lignicola* and the genus *Pleurocolla* (Fungi). 58.
DRECHSLER, CHARLES. Morphological diversity among fungi capturing and destroying nematodes. 138.
—— Morphological features of some fungi capturing and killing amoebae. 200.
—— Morphological features of some more fungi that capture and kill nematodes. 267.
—— Several more fungi that prey on nematodes. 355.
DRYDEN, H. L. *Wind pressure on a model of the Empire State Building. 159.
ELIAS, M. K. *The Ogallala formation of the High Plains, Kansas. 403.
ENDO, SEIDO. The American white walnut or butternut, *Juglans cinerea*, from the Upper Pliocene of Japan. 305.
FISK, H. W. *Eclipse observations of the Department of Terrestrial Magnetism, Carnegie Institution of Washington. 155.
FORBUSH, F. E. *Gravity-determinations on the "Carnegie." 527.
FRASER, C. MCLEAN. Some Greenland hydroids. 563.
GIANELLA, VINCENT P. *The Cedar Mountain, Nevada, earthquake of December 20, 1932. 573.
GILDERSLEEVE, BENJAMIN. Pharyngeal plates of *Phyllodus* from the Virginia Eocene. 380.
GILLILAND, T. R. *The radio eclipse observations of the Bureau of Standards. 155.
GILLULY, JAMES. *Internal evidence of the origin of certain schists. 569.
GINSBURG, ISAAC. Descriptions of five new species of seahorses. 560.
GOLDMAN, E. A. A new climbing mouse from Panama. 525.
—— A new puma from Brazil. 523.
—— New mammals from Arizona, New Mexico and Colorado. 463.
GORANSON, R. W. *The precise measurement of birefringence especially in strained glass. 534.
GREGG, W. R. *Winds: Some of their characteristics. 158.
GRIGGS, R. F. *The edge of the forest in Alaska and its significance. 218.
HAMMAR, HARALD E. *Some relations of the organic constituents of sediments to the formation of petroleum. 568.
HANSEN, H. J. A North American species of *Acetes*. 30.
HAFSTAD, L. R. *Atomic nuclear studies at the Department of Terrestrial Magnetism. 530.
HARRISON, T. H. *Plant pathology in Australia. 164.
HENDRICKS, T. A. *Some Pleistocene changes in the course of the Canadian River of southeastern Oklahoma. 399.
HERSEY, MAYO D. Thin film lubrication of journal bearings. 297.
HESS, W. C. Studies in cancer: the application of the Rupp-Schied-Thiel thiocyanate reaction to the urine. 378.
—— The evaluation of the Rupp-Schied-Thiel method as a test for thiocyanate in the urine. 419.
HEYL, P. R. *A new correction for the pendulum. 529.
—— Romance or science? 73, 154.
HITCHCOCK, A. S. New grasses from Kashmir. 134.

—— New species and new names of grasses from Texas. 449.
HOLMES, ARTHUR. The thermal history of the earth. 169.
HULBURT, E. O. *The use of the bubble sextant at sea. 527.
HUMPHREY, H. B. *A Maryland white oak records three hundred years of botanical history. 218.
JAGGAR, T. A. *Elevation changes, horizontal shift, and tilt at Kilauea Volcano. 113.
JOHNSON, DOUGLAS. *Some problems of the arid landscape. 154.
JONES, HOWARD A. Notes on the occurrence of rotenone in species of *Derris* and *Lonchocarpus*. 493.
—— The rotenone content of derris root, cube root, and other plant materials. 36.
KEARNEY, THOMAS H. A new *Gossypium* of Lower California. 558.
KEITH, ARTHUR. *Major structures and intrusions in New England. 486.
KING, ROBERT. *Permian rocks in Mexico. 571.
KIRBY, S. S. *The radio eclipse observations of the Bureau of Standards. 155.
KOBAYASHI, TEIICHI. *A sketch of Korean geology. 575.
KRULL, WENDELL H. The snail *Pseudosuccinea columella* (Say) as a potentially important intermediate host in extending the range of *Fasciola hepatica*. 389.
KSANDA, C. J. The crystal structure of tenorite (Cupric oxide). 195.
LEE, HARLEY C. Properties of tricalcium silicate from basic open hearth steel slags. 338.
LEWTON, F. L. *Armouria*, a new genus of malvaceous trees from Haiti. 63.
LOOMIS, H. F. Egg-laying habits and larval stages of a milliped, *Arctobolus marginatus* (Say) Cook, native at Washington. 100.
MALONEY, J. O. Two new species of Isopod crustaceans from California. 144.
MANSFIELD, W. C. A new mollusk from the Chadron formation of Nebraska (Description). 263.
MARBLE, J. P. *Some recent developments in the Pb/U method for age determinations. 575.
MATTHES, FRANCOIS E. *The Pleistocene diversion of the Mississippi River across Crowleys Ridge, southeastern Missouri. 572.
—— *Stadter Buried Forest on Mount Hood. 574.
MEGGERS, WILLIAM F. *Infra-red spectrum photography. 533.
MEINZER, O. E. Geologic reconnaissance of a region adjacent to Guantanamo Bay, Cuba. 246.
MERTIE, J. B. *Selective problems of the geology of the Yukon-Tanana region, Alaska. 398.
MISER, HUGH D. *Oklahoma structural salient of the Ouachita Mountains. 110.
MOHLER, F. L. *Studies of the electrical discharge in cesium vapor. 533.
MONROE, WATSON H. *Topography and physiography from aerial photographs. 112.
MOON, C. *Some problems encountered in the absolute determination of the ohm. 157.
MORRISON, B. Y. *English gardens. 164.
MORSE, W. J. *Agricultural explorations in Japan, Korea and Manchuria. 164.
MORTON, C. V. A remarkable new *Trifolium* from Washington. 270.
NELSON, E. W. A new puma from Brasil. 523.
NEUMANN, FRANK. *Strong motion records of the southern California earthquake of March 10, 1933. 536.
—— *The interior of the earth as revealed by seismological data. 528.
—— *Vibration observations in the Washington Monument. 158.
OHAUS, FRIEDRICH. New Rutelinae (Col. lamell.) in the United States National Museum. 473.
PIGGOT, C. S. *Isotopic composition of the radioactive elements as determined by magneto-optic technique. 535.
POSNJAK, E. The crystal structure of tenorite (cupric oxide). 195.

POST, THELMA BENNETT. A new disease of dahlias. 203.

RATHBUN, MARY J. A new species of *Pseudothelphusa* from Mexico. 360.

READ, CHARLES B. A new *Trichopitys* from the Carboniferous of Colorado. 461.

REED, J. C. *Muldrow Glacier spring. 569.

—— *The relationship of the quartz veins to the regional structure in the Elk City district, Idaho. 571.

RICHARDS, HORACE G. A new species of Hydrocorallinae from the Pleistocene of New Jersey. 211.

ROSENKRANS, R. R. Bentonite in northern Virginia. 413.

ROSS, C. P. *Some features of the Idaho batholith. 400.

ROWLEY, R. R. Unique coloration of two Mississippian brachiopods. 46.

SCHMITT, WALDO L. Notes on shrimps of the genus *Macrobrachium* found in the United States. 312.

SEARS, JULIAN D. *Regressive sandstones. 397.

SETZLER, F. M. Hopewell type pottery from Louisiana. 149.

SHENON, P. J. *The relationship of the quartz veins to the regional structure in the Elk City district, Idaho. 571.

SHOEMAKER, CLARENCE R. A new amphipod of the genus *Amphiporeia* from Virginia. 212.

SILSBEE, F. B. *Superconductivity. 163.

SOHON, F. W. The seismic receiver. 409.

STANTON, T. W. *The evolution of the geologic map of the United States. 485.

STEINER, G. On the morphology of *Deontostoma californicum* n. sp. 25.

STEVENS, NEIL E. The dark ages in Plant Pathology in America: 1830–1870. 435.

SULLIVAN, M. X. Studies in cancer: the application of the Rupp-Schied-Thiel thiocyanate reaction to the urine. 378.

—— The evaluation of the Rupp-Schied-Thiel method as a test for thiocyanate in the urine. 419.

SWALLEN, JASON R. New grasses from the United States, Mexico and Central America. 456.

—— Two new grasses of the genus *Stipa* from western United States. 198.

TRASK, PARKER D. *Some relations of the organic constituents of sediments to the formation of petroleum. 568.

TRELEASE, WILLIAM. Five new oaks from Guatemala. 61.

TUCKERMAN, L. B. From material to structure. 225.

TUNELL, GEORGE. The crystal structure of tenorite (cupric oxide). 195.

—— The ray-surface, the optical indicatrix and their interrelation. 325.

TUVE, M. A. *Atomic nuclear studies at the Department of Terrestrial Magnetism. 530.

UCHIDA, T. A new parasite of *Laspeyresia molesta* Busck. 147.

VAUGHAN, THOMAS W. Report on species of corals and larger foraminifera collected in Cuba. 261, 352.

WATTS, C. B. *The U. S. Naval Observatory Eclipse Expedition to Maine. 154.

WEHR, EVERETT E. Description of two new parasitic nematodes from birds. 391.

WELLS, ROGER C. Thorium minerals as age indicators. 541.

WHITCOMB, LAWRENCE. *Salonia*, a new Ordovician brachiopod genus. 496.

WHITE, DAVID. *Layered grits of Lower Pennsylvanian age. 567.

—— *Pre-cambrian seas? 570.

WIEBE, R. *The experimental determination of some properties of gases up to 1000 atmospheres. 532.

WILLIAMS, JAMES S. A new Pennsylvanian trilobite from Missouri. 429.

—— Unique coloration of two Mississippian brachiopods. 46.

WINSOR, CHARLES P. The eggs of *Goniobasis virginica* Gmelin and *Anculosa carinata* Bruguiére. 34.

SUBJECT INDEX

Archaeology. Hopewell type pottery from Louisiana. F. M. SETZLER. 149.

Astronomy. *Eclipse observations of the Department of Terrestrial Magnetism, Carnegie Institution of Washington. H. W. FISK. 155.

*The radio eclipse observations of the Bureau of Standards. S. S. KIRBY and T. R. GILLILAND. 155.

*The U. S. Naval Observatory Eclipse Expedition to Maine. C. B. WATTS. 154.

Biochemistry. Studies in cancer: the application of the Rupp-Schied-Thiel thiocyanate reaction to the urine. M. X. SULLIVAN and W. C. HESS. 378.

The evaluation of the Rupp-Schied-Thiel method as a test for thiocyanate in the urine. M. X. SULLIVAN and W. C. HESS. 419.

Botany. *Agricultural explorations in Japan, Korea and Manchuria. W. J. MORSE. 164.

*A Maryland white oak records three hundred years of botanical history. H. B. HUMPHREY. 218.

A new disease of dahlias. THELMA BENNETT POST. 203.

A new *Gossypium* of Lower California. THOMAS H. KEARNEY. 558.

A new grass from Texas. AGNES CHASE. 137.

A remarkable new *Trifolium* from Washington. C. V. MORTON. 270.

Armouria, a new genus of malvaceous trees from Haiti. F. L. LEWTON. 63.

Five new oaks from Guatemala. WILLIAM TRELEASE. 61.

Morphological diversity among fungi capturing and destroying nematodes. CHARLES DRECHSLER. 138.

Morphological features of some fungi capturing and killing amoebae. CHARLES DRECHSLER. 200.

Morphological features of some more fungi that capture and kill nematodes. CHARLES DRECHSLER. 267.

New grasses from Kashmir. A. S. HITCHCOCK. 134.

New grasses from the United States, Mexico and Central America. JASON R. SWALLEN. 456.

New species and new names of grasses from Texas. A. S. HITCHCOCK. 449.

*Pollen analysis of a Kodiak bog. PAUL W. BOWMAN. 218.

Several more fungi that prey on nematodes. CHARLES DRECHSLER. 355.

Sex and accessory cell fusions in the Uredineae. C. F. ANDRUS. 544.

*The edge of the forest in Alaska and its significance. R. F. GRIGGS. 218.

Thelebolus lignicola and the genus *Pleurocolla* (Fungi). WILLIAM W. DIEHL. 58.

Two new grasses of the genus *Stipa* from western United States. JASON R. SWALLEN. 198.

Chemistry. Notes on the occurrence of rotenone in species of *Derris* and *Lonchocarpus*. HOWARD A. JONES. 493.

The rotenone content of derris root, cube root, and other plant materials. HOWARD A. JONES. 36.

Crystallography. The crystal structure of tenorite (cupric oxide). G. TUNELL, E. POSNJAK, and C. J. KSANDA. 195.

The ray-surface, the optical indicatrix and their interrelation. GEORGE TUNELL. 325.

Vogtite, isomorphous with wollastonite. N. L. BOWEN. 87.

Engineering. From material to structure. L. B. TUCKERMAN. 225.

Entomology. A new parasite of *Laspeyresia molesta* Busck. T. UCHIDA. 147.

New Rutelinae (Col. Lamell.) in the United States National Museum. FRIEDRICH OHAUS. 473.

The genus *Myndus* Stal. in North America (Homoptera Fulgoridae). E. D. BALL. 478.

Ethnology. French survival in Canada. MARIUS BARBEAU. 365.
Geochemistry. *Some recent developments in the Pb/U method for age determinations. J. P. MARBLE. 575.
Geology. *An air reconnaissance of Middleton Island, Alaska. S. R. CAPPS. 402.
*A sketch of Korean geology. TEIICHI KOBAYASHI. 575.
Bentonite in northern Virginia. R. R. ROSENKRANS. 413.
*Factors that determine the curvature of mud-cracked layers. W. H. BRADLEY. 114.
Geologic reconnaissance of a region adjacent to Guantanamo Bay, Cuba. O. E. MEINZER. 246.
*Internal evidence of the origin of certain schists. JAMES GILLULY. 569.
*Layered grits of Lower Pennsylvanian age. DAVID WHITE. 567.
*Major structures and intrusions in New England. ARTHUR KEITH. 486.
*Muldrow glacier spring. J. C. REED. 569.
*Oklahoma structural salient of the Ouachita Mountains. HUGH D. MISER. 110.
*Origin of the so-called meteorite scars of South Carolina. C. WYTHE COOKE. 569.
*Permian rocks in Mexico. ROBERT KING. 571.
*Pleistocene changes of sea level. C. WYTHE COOKE. 109.
*Pre-Cambrian seas? DAVID WHITE. 570.
*Regressive sandstones. JULIAN D. SEARS. 397.
*Rhythmic bedding in the Monterey rocks of California. M. N. BRAMLETTE. 575.
*Selective problems of the geology of the Yukon-Tanana region, Alaska. J. B. MERTIE, JR. 398.
*Some features of the Idaho batholith. C. P. ROSS. 400.
*Some Pleistocene changes in the course of the Canadian River of southeastern Oklahoma. T. A. HENDRICKS. 399.
*Some relations of the organic constituents of sediments to the formation of petroleum. PARKER D. TRASK and HARALD E. HAMMAR. 568.
*Stadter Buried Forest on Mount Hood. F. E. MATTHES. 574.
*Stratigraphy of the Hamilton Group of New York. G. A. COOPER. 402.
*The evolution of the geologic map of the United States. T. W. STANTON. 485.
*The Ogollala formation of the High Plains, Kansas. M. K. ELIAS. 403.
*The Pleistocene diversion of the Mississippi River across Crowleys Ridge, southeastern Missouri. FRANCOIS E. MATTHES. 572.
*The relationship of the quartz veins to the regional structure in the Elk City district, Idaho. P. J. SHENON and J. C. REED. 571.
The thermal history of the earth. ARTHUR HOLMES. 169.
Thorium minerals as age indicators. ROGER C. WELLS. 541.
*Topography and physiography from aerial photographs. WATSON H. MONROE. 112.
*Zuñi Salt Lake. N. H. DARTON. 485.
Geophysics. *Gravity-determinations on the "Carnegie." F. E. FORBUSH. 527.
Horticulture. *English gardens. B. Y. MORRISON. 164.
Meteorology. *Winds: Some of their characteristics. W. R. GREGG. 158.
Mineralogy. Crystals of iron-rich pyroxene from a slag. N. L. BOWEN. 83.
Properties of tri-calcium silicate from basic open hearth steel slags. OLAF ANDERSEN and HARLEY C. LEE. 338.
Miscellaneous. *The use of the bubble sextant at sea. E. O. HULBURT. 527.
Necrology. BLACK, OTIS FISHER. 580.
DANGLADE, ERNEST. 168.
DAVIS, ARTHUR POWELL. 580.
FISK, HARLAN WILBUR. 119.
FRY, W. H. 72.
HAYDEN, EDWARD E. 72.
HOLLAND, WILLIAM JACOB. 72.
HOLM, THEODOR. 120.
HOWE, ERNEST. 119.
LA FLESCHE, FRANCIS. 168.
STOCKBRIDGE, HELEN E. 168.

Paleobotany. A *Knowltonella* from the Black Hills Cretaceous. EDWARD W. BERRY. 503.

A new *Lygodium* from the late Tertiary of Ecuador. EDWARD W. BERRY. 208.

A new *Trichopitys* from the Carboniferous of Colorado. CHARLES B. READ. 461.

Fossil plants from Morrison, Colorado. EDWARD W. BERRY. 308.

New occurrences of Pleistocene plants in the District of Columbia. EDWARD W. BERRY. 1.

The American white walnut or butternut, *Juglans cinerea*, from the Upper Pliocene of Japan. SEIDO ENDO. 305.

The cuticle of an Eocene *Combretum*. EDWARD W. BERRY. 505.

Paleontology. A new mollusk from the Chadron formation of Nebraska. HAROLD J. COOK and W. C. MANSFIELD. 263.

A new Pennsylvanian trilobite from Missouri. JAMES S. WILLIAMS. 429.

A new species of Hydrocorallinae from the Pleistocene of New Jersey. HORACE G. RICHARDS. 211.

Colognathus proposed for *Xenognathus*, preoccupied. E. C. CASE. 65.

Mylodont (ground sloth) dermal ossicles from Colombia, South America. R. LEE COLLINS. 426.

Pharyngeal plates of *Phyllodus* from the Virginia Eocene. BENJAMIN GILDERSLEEVE. 380.

Report on species of coral and larger foraminifera collected in Cuba. THOMAS WAYLAND VAUGHAN. 261, 352.

Salonia, a new Ordovician brachiopod genus. G. ARTHUR COOPER and LAWRENCE WHITCOMB. 496.

Unique coloration of two Mississippian brachiopods. R. R. ROWLEY and J. S. WILLIAMS. 46.

Physics. *A new correction for the pendulum. P. R. HEYL. 529.

*A redetermination of the international ampere in absolute measure. R. W. CURTIS. 157.

*Atomic nuclear studies at the Department of Terrestrial Magnetism. M. A. TUVE and L. R. HAFSTAD. 530.

High voltage. KARL T. COMPTON. 277.

*Infra-red spectrum photography. WILLIAM F. MEGGERS. 533.

*Isotopic composition of the radioactive elements as determined by magneto-optic technique. C. S. PIGGOT. 535.

*Models of vibrating molecules. D. H. ANDREWS. 161.

Romance or science? P. R. HEYL. 73, 154.

Some improvements in psychrometry. DONALD B. BROOKS and HEMAN H. ALLEN. 121.

*Some problems encountered in the absolute determination of the ohm. C. MOON. 157.

*Studies of the electrical discharge in cesium vapor. F. L. MOHLER and C. BOECKNER. 533.

*Superconductivity. F. B. SILSBEE. 163.

*The attitude of European laboratories towards absolute electrical units. H. L. CURTIS. 156.

*The experimental determination of some properties of gases up to 1000 atmospheres. R. WIEBE. 532.

*The precise measurement of birefringence especially in strained glass. R. W. GORANSON and L. H. ADAMS. 534.

*Thermodynamic properties of real gases from compressibility data. W. E. DEMING. 532.

The seismic receiver. F. W. SOHON. 409.

Thin film lubrication of journal bearings. MAYO D. HERSEY. 297.

*Vibration observations in the Washington Monument. F. NEUMANN. 158.

*Wind pressure on a model of the Empire State Building. H. L. DRYDEN. 159.

Physiography. *Some problems of the arid landscape. DOUGLAS JOHNSON. 154.

Phytopathology. *Plant pathology in Australia. T. H. HARRISON. 164.

The dark ages in Plant Pathology in America: 1830–1870. NEIL E. STEVENS. 435.

Scientific Notes and News. 65, 115, 165, 220, 272, 321, 360, 404, 446, 487, 536, 576.

Seismology. *The Cedar Mountain, Nevada, earthquake of December 20, 1932. VINCENT P. GIANELLA and EUGENE CALLAGHAN. 573.

*Strong motion records of the southern California earthquake of March 10, 1933. FRANK NEUMANN. 536.

*The interior of the earth as revealed by seismological data. FRANK NEUMANN. 528.

Volcanology. *Elevation changes, horizontal shift, and tilt at Kilauea Volcano. T. A. JAGGAR. 113.

Zoology. A bivulvar specimen of the nematode *Mononchus muscorum* (Dujardin) Bastian. GERTRUDE H. CASSIDY. 141.

A new amphipod of the genus *Amphiporeia* from Virginia. CLARENCE R. SHOEMAKER. 212.

A new climbing mouse from Panama. E. A. GOLDMAN. 525.

A new genus for the nematode *Filaria cistudinis* Leidy, 1856, of the family Filariidae. JOSEPH E. ALICATA. 95.

A new puma from Brazil. E. W. NELSON and E. A. GOLDMAN. 523.

A new species of *Pseudothelphusa* from Mexico. MARY J. RATHBUN. 360.

A North American species of *Acetes*. H. J. HANSEN. 30.

Descriptions of five new species of seahorses. ISAAC GINSBURG. 560.

Descriptions of two new parasitic nematodes from birds. EVERETT E. WEHR. 391.

Egg-laying habits and larval stages of a milliped, *Arctobolus marginatus* (Say) Cook, native at Washington. H. F. LOOMIS. 100.

New mammals from Arizona, New Mexico and Colorado. E. A. GOLDMAN. 463.

New species of Lymnaeidae from British America. FRANK COLLINS BAKER. 520.

Notes on shrimps of the genus *Macrobrachium* found in the United States. WALDO L. SCHMITT. 312.

On some nematodes of the superfamily Rhabditoidea and their status as parasites of reptiles and amphibians. B. G. CHITWOOD. 508.

On the morphology of *Deontostoma californicum* n. sp. G. STEINER and FLORENCE M. ALBIN. 25.

Some Greenland hydroids. C. McLEAN FRASER. 563.

The eggs of *Goniobasis virginica* Gmelin and *Anculosa carinata* Bruguiére. CHARLES P. WINSOR. 34.

The generic names *Cephalobellus* Cobb, 1920 and *Scarabanema* Christie, 1931. JESSE R. CHRISTIE. 358.

The snail *Pseudosuccinea columella* (Say) as a potentially important intermediate host in extending the range of *Fasciola hepatica*. WENDELL H. KRULL. 389.

Two new species of Isopod crustaceans from California. J. O. MALONEY. 144.